



SHREEMATHI NATHIBHAI DAMODAR THACKERSEY

WOMEN'S UNIVERSITY

1, Nathibai Thackersey Road, Churchgate, Mumbai - 400 020.
Telegram : UNIWOMEN Telephone : 22031879 Fax : 22018226
Website : www.sndt.ac.in

Ref No: PG/ Digital Board/ 2023-24/06

Date: 06/04/2023

Invitation for Quotations For Purchase of Digital Board & Installation

Sealed Quotations are invited for purchase of **Digital Board & Installation** to be installed at **University PG Department, Churchgate**. The suppliers are advised to study all technical and commercial aspects, instructions, terms and conditions carefully in the document. Failure to furnish all information required in the quotation may result in the rejection of the quotation. The University reserves the right to reject the quotation without assigning any reason thereof.

Name of Item	Purchases of Digital Board & Installation
Venue of Submission	The Registrar, SNDT Women's University, Churchgate, Mumbai 400 020
To be Addressed to:	The Registrar SNDT Women's University, 1, N.T. Road, New Marine Lines, Mumbai – 400 020.
Contact Telephone	022 -22031879.
Deadline of Submission	14 th April , 2023 till 5.00 pm

Instructions:

*Dates mentioned here, are scheduled dates for the University Activities. Any changes in dates of submission and processing shall be notified in 'Tenders/Quotations' section on the University website (sndt.ac.in) below the respective quotation.

To view Quotation Notice, Kindly visit following website of **SNDT Women's University, Mumbai**: sndt.ac.in
Quotation should clearly mention all Technical Specifications mentioned in this document.

The quotations are invited for the following products:

Item 1: Digital Board 65 (Qty. 2 Nos.)
Digital Board 75 (Qty. 1Nos.)

If Required the Quantity of above items may increase

Complete Panel specifications

LCD Panel				
Diagonal Size	65"	75"	85" / 86"	98"
Backlight Type	D LED			
Display	Zero Bonding with anti-glare screen and 9H toughen glass			
Aspect Ratio	16:9			
Pixel pitch	0.372(H) x 0.372(L)	0.4296(H) X 0.4296(L)	0.4928(H) X 0.4928(L)	0.5622(H)x 0.5622(L)mm
Response	5ms to 8ms			
Resolution	3840 X 2160 4K Resolution			
Contrast ratio	1200:1			
Brightness(cd/m2)	350cd/m2			350cd/m2
Display Area	428.48×803.52mm	1649.66×927.936mm	1895.04×1065.96mm	2159×1220.6mm
Colour	1.07 billion colours			
View Angle	H/V: 178 Degree /178 Degree			

System	
OS	Android 11.0
CPU	ARM Cortex-A55*4, GPU: Mali-G52 MP2 (2EE) Quad Core
RAM	4GB RAM
Flash	64GB eMMC Storage

I/O Port	
Rear Input	LAN In*1/RS232*1/Touch USB*1/HDMI*2/USB3.0*1/ USB2.0*1/SPDIF*1/VGA*1/VGA AUDIO*1/YPBPR*1/AV IN*1/AV OUT*1/ MIC*1/Earphone*1
Output	Earphone OUTx1
Front I/O	USB 3.0 x 3, TOUCH USBx1, HDMI INx1, C-TypeX1

Media Format	
Audio	Mp3, WMA, WAV, APE, FLAC, AAC, OGG, M4A, 3GPP
Video	H.264, VP 8, RV, WMV, AVS, H.263, MPEG4
Picture	JPG, BMP, PNG

Touch Feature	
Touch Type	Infrared touch
Glass	Zero Bonding Physical 9 grade tempered glass, Explosion proof, anti-glare
Transmittance	> 92%
Response Time	≤ 5 ~ 8ms
Touch Precision	Real time
Touch Object	All Opaque object, such as finger, pen etc
MTF	60 million touches by each points
Minimum Touch Object	≥ 1MM
Anti-Light	Incandescent lamp (220V,100W) Distance > 350mm, Sunlight illumination<90000Lux
Interface	USB

Audio	
Speakers	2 x 15W(max) Stereo
	2*20W(max) Stereo

OPS PC with Inbuilt Wi-Fi and Bluetooth	
CPU	Intel Core I5 11th Gen or above
Memory	8GB DDR4,Expandable up to 32GB
Hard disk	512 GB SSD
I/O Ports	USB2.0 x2, USB3.0 x2, MIC x1, LINE OUT x1, RJ45 x1, VGA x1, HDMI x1
OS	Genuine Windows10 Pro
Input Device	Wireless Keyboard and Mouse

Tech Features	
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Language	English	Working Mode – 24 X7 Hrs	Display Life - 60000Hrs
Video Format	PAL, NTSC		
Frequency	Horizontal Frequency: 20 ~ 82KHz (Analog & Digital) Vertical Frequency: 55 ~ 75Hz		
Optimum Resolution	3840 x 2160 @ 30HZ		
Support Resolution	3840 x 2160, 1920 x 1080, 1680 x 1050, 1600 x 1200, 1440 x 1050, 1360 x 768, 1280 x 1024 1280 x 768, 1024 x 768, 832 x 624, 800 x 600, 720 x 400, 600 x 480		
Video Format	480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 4K		

Function Feature

Amazing OSD	Humanity beautiful OSD, Touch control
Multiple Control	Support remote control, keyboard, RS232, Touch control
Touch OSD	Touch slide from bottom to start the hidden OSD menu
Sunlight Readable	Suit for lots of place, it can read in sunlight
Touch OSD	20 points touch
Multiple I/O	Support HDMI / VGA / CVBS / YPbPr / Display Port / TV
Input Auto Scan	Auto scan the input signal, and countdown tips
Customise Mode	Preset Standard, Warm, Cinema, Meeting work mode and support customize
Airplay	iPhone, iPad wireless display on TAO monitor by Airplay

FHD VC Camera

Sensor	1/2.7" 2MP CMOS
Video Format	1920x1080 30/25 fps
	1280x720 30/25 fps
	640x480 30/25 fps
	640x360 30/25 fps
Video Output (HD) Interface	USB 2.0 (USB 3.0 compatible)
Horizontal Viewing Angle	90°
Tilting Angle	0° ~ -30°
Aperture	F 3.0
Focal Length	Fixed Lens
Shutter Speed	1/20 to 1/10,000 s
Minimum Object Distance	30 cm
Video S/N Ratio	> 50dB
Minimum Illumination	5 lux
Focus System	Fixed Lens
Gain Control	Auto
White Balance	Auto, Manual
Brightness Control	Yes
Exposure Control	Auto
2D NR	Yes
Camera Control Interface	USB
Camera Control Protocol	UVC / UAC
Built-in Mic	2 Omni-directional MICs
Power Consumption	<2.5W (5V @0.5A)
Video Format	YUY2 / MJPEG / H.264
Mic Effective Distance	3.6 meters

Interactive Software

Menu Bar	Simple Interfaces with easy to identify icons. Easy to use without professional raining. Quick function bar to access most commonly used functions. Pulldown menu for easy navigation. Software must be capable to toggle between windows and interactive software. Must have the interactive capability to work in windows mode Like annotation, highlighting the contents, Smart search option in windows mode also, etc..
Digital Pages	Easy to add and/or delete pages. Board surface option to select different colours (White, Green & Black). Option to choose pages with lines & grids for drawing graphs.
Writing	Writing using different types of digital pens. Option to choose different colours for pen. Pen options include soft pen, brush pen, fluorescent pen, creative pen, magic pen etc...
Record and Playback	All activities performed on the board are automatically recorded and can be saved as a file. When invoked, it provides a walkthrough of all the activities that were done on board in the same sequence.
Auto Internet Search	Feature to search on internet any hand-written text / word related results from the internet in a separate browser window within the existing presentation board
Event Recorder	The inbuilt event recorder can be activated to capture all activity on the board along with the presenter's voice to create video of the entire session or presentation.
Other Features	Supports gesture recognition (pan, tilt, zoom, flicks etc) Handwriting recognition (English), Shape recognition (up to 6 sided shapes), Capable of annotation even on external videos (frame by frame), Inbuilt document camera solution, All basic editing features like cut/copy/paste, colour palette/bucket, unlimited pages, import/export content, undo/redo, save etc, Advanced features like recording board activities, recording audio and board activities, recording video, geometric tools, common icons library, spot light, curtain, screen ruler, 3D shapes, screen capture etc

Physical Features				
	65"	75"	85"	98"
Power	AC 100 ~ 240V, 50-60Ghz, 1.1A	AC 100 ~ 240V, 50-60Ghz, 1.4A	AC 100 ~ 240V, 50-60Ghz, 1.6A	AC 100~240V~/2~5A/60-50Hz
Consumption	Max≤300W, Normal≤220W, Standby≤0.5W	Max≤300W, Normal≤220W, Standby≤0.5W	Max≤450W, Normal≤350W, Standby≤0.5W	Max≤450W ; Normal≤350W ; Standby≤2W
Body Material	Gray frame, Black metal cover			
Color	Black			
Temperature	Work: 0°C ~50°C ; Storage : -20° ~ 60°C			
Humidity	Work: 10% to 90% ; Storage: 0 to 95% (Non Condensing)			
Noise	Work Noise<50dBA			
Other				
Accessories	Remote control X 1, Power Cord X 1, Wi-Fi antenna X 1			
Certifications	BIS, RoHS, CE, FCC, ISO9001 (BIS is mandatory)			
Warranty	3-Years onsite			
Training	4-Onsite trainings quarterly each.			

The quotations are invited in two parts under Three Envelop System. Technical envelope shall be enclosed and sealed in envelop No.1 Schedule of Rates shall be filled in and enclosed in Envelop No.2. Both the sealed envelopes shall be kept in Envelop No.3 which shall be big enough to contain two envelopes. On each envelop name and address along with contact number of bidder shall be written. On the top of it envelop name of the bidder should be mentioned.

Envelop No. 1:-

1. Covering letter with details of Bidder, Address, Name If Proprietor, Telephone Number, Mobile Number, Email ID, Name, Signature, and Seal. In case of partnership firm, name and address of partners and copy of Partnership Deed.
2. Type of business entity: manufacture /authorized dealer, any other (to be specified).
3. Certified copy of GST registration alongwith seal.
4. PAN Card No.(Certified/ Self Attached Copy) with seal.
5. List of main clients (Maximum 10)
6. The details about technical specifications of product should be submitted in the prescribed format on the letterhead of the bidder alongwith seal & signature.

Envelop No- 2:-

The financial bid may be submitted in the prescribed format as above on the letterhead of the bidder.

Item	Rate per Unit (INR)	Taxes (INR)	Qty (Total)	Total Estimated Cost (INR)
1.				
2.				
3.				

The rate must be inclusive of all charges. Taxes are to be mentioned clearly in the quotation.

The final quantity may vary at the time of issue of purchase order.

Free delivery is required at **SNDT Women's University, Churchgate, Mumbai – 400 020.**

The rate validity will be upto 45 days from the date of submission deadline.

All necessary documents, manuals to be handed over to the **SNDT Women's University.**

Packing and transport charges, transit insurance will be inclusive in the quoted rate.

University will issue Octroi Exemption certificate if required.

(Prof. Vilas Nandavdekar) 614
Registrar
Dhame
26/04/23